Claims

Claim 1-13. (previously cancelled)

Claim 14. (**currently amended**) A method for creating a consumer's shopping list prior to entering a store, comprising <u>the steps of</u>:

(a) <u>using</u> a portable barcode <u>scanner;</u> ~~scanner, comprising:~~

    ~~(i) a processor;~~

    ~~(ii) a memory that stores product information under the control of said processor;~~

    ~~(iii) logic that obtains a product barcode;~~

    ~~(iv) logic that obtains a product coupon barcode;~~

    ~~(v) logic that indicates that said product barcode or said product coupon barcode has been scanned and stored in said memory;~~

    ~~(vi) logic that indicates the number of said product barcodes and said product coupon barcodes stored in said memory;~~

    ~~(vii) logic that indicates said memory is full;~~

    ~~(viii) logic that creates a query based on said product barcode or said product coupon barcode;~~

(ix) logic that transmits said product barcode or said product coupon barcode to one or more consumer's first computers over a first network infrastructure;

(x) logic that indicates that said product barcode or said product coupon barcode has been transmitted to one or more consumer's first computers over said first network infrastructure;

(xi) logic that receives said product barcode or said product coupon barcode associated information from one or more consumer's first computers over said first network infrastructure;

(xii) logic that displays said product barcode or said product coupon barcode associated information on a display, received from one or more consumer's first computers over said first network infrastructure;

(xiii) wherein said product barcode associated information relates to at least one of product description, product cost, date and time on which said product barcode was scanned, and a required quantity of said product; and

(xiv) wherein said product coupon barcode associated information relates to at least one of product description, product cost, date and time on which said product coupon barcode was scanned, and a required quantity of said product;

(c) scanning (b) scanning a needed product barcode or a needed product coupon barcode using said portable barcode scanner;

(b) using (c) using one or more said consumer's first computers comprising the sub-steps of; computers, each said first computer comprising;

(i) an associated communications interface channel to receive receiving data from, and to transmit transmitting data to, said portable barcode scanner over said

consumer's first network infrastructure;

(ii) ~~logic that stores~~ storing said data as shopping list information ~~under the~~ under control of said product barcode or said product coupon barcode, in a memory means;

(iii) ~~logic that communicates~~ communicating with a second computer system, over a second network infrastructure to request and to receive ~~said product associated~~ additional shopping list information based on said product barcode or said product coupon barcode;

(iv) ~~logic that keeps to track of the~~ tracking frequency that said product barcode ~~or said product coupon barcode~~ has been received from said portable barcode scanner over said first network infrastructure;

~~(vi) logic that provides~~ (v) providing a specific notification of ~~repetitively~~ repetitive scanned said product barcodes ~~or said product coupon barcodes~~ without repetitively needing ~~said continued~~ a continuously scanned entry of said product ~~barcodes or said product coupon barcodes,~~ barcodes, said continuously scanned entry occurring at varying times;

~~(vii) logic that displays~~ (vi) displaying a multiplicity of product barcodes or said product coupon barcodes, together with said ~~product associated~~ additional shopping list information, on ~~a consumer's~~ said consumer's first computer display;

~~(viii) logic that indicates~~ (vii) indicating on said first computer display that said consumer has obtained said shopping list information in-hand from said consumer's first computer;~~[and]~~

(ix) logic that automatically adds (viii) adding automatically one or more said repetitively scanned product barcodes to said shopping list on said determined tracking frequency; and

(ix) indicating that said data transmitted to and said data received from said portable barcode scanner has been successfully sent and received;

(d) transferring said scanned product barcode or said product coupon barcode to said consumer's first computer, over said first network infrastructure;

(e) storing said transferred product barcode or said product coupon barcode in a shopping list database on said consumer's first computer, said shopping list database includes other product information, wherein said other product information includes: a product description, a product cost, a date and time on which said product barcode or said product coupon barcode was scanned and an indicator for a required quantity of said product;

(f) obtaining in-hand said stored shopping list from said consumer's first computer in order to go to a first store and purchase products listed on said shopping list, said obtaining in-hand is selected from the group comprising:

    (i)   printing said stored shopping list on a printing device attached to said consumer's first consumer's computer,

    (ii)   transferring said stored shopping list to a consumer's portable computer device, and

    (iii)   using said portable barcode scanner;

(g) sending optionally said shopping list from said consumer's first computer to an optional second store connected to said second network infrastructure, said second store shipping products listed on said shopping list to said consumer, thereby not requiring said consumer to shop in-store for said products; and

(h) sending <u>optionally</u> said shopping list from said consumer's first computer to an optional second store connected to said second network infrastructure, said second store making said products listed on said shopping list available to said consumer for pick up, thereby not requiring said consumer to shop in-store for said products.

Claim 15. (currently amended) The portable barcode scanner of claim **14**, wherein said first network infrastructure is a ~~wireless link.~~ <u>wireless link between said portable barcode scanner and said consumer's first computer.</u>

Claim 16. (currently amended) The portable barcode scanner of claim **15**, wherein said wireless link is selected from the group comprising: an infrared link and a ~~Bluetooth~~ <u>Bluetooth-enabled</u> radio-frequency link.

Claim 17. (currently amended) The portable barcode scanner of claim **14**, wherein said first network infrastructure is a wired link between said portable barcode scanner and said <u>consumer's</u> first computer.

Claim 18. (previously presented) The portable barcode scanner of claim **17**, wherein said wired link is selected from the group comprising: an RS-232 link, a USB link, a parallel link and an IEEE 1394 link.

Claim 19. (previously presented) The first computer of claim **14** is selected from the group comprising: a personal computer, a personal digital assistant, an internet appliance, and a cell phone.

Claim 20. (previously presented) The first computer of claim **14**, wherein said second network infrastructure is the internet.

Claims 21 – 33 (previously cancelled)

Claim 34. (**currently amended**) The said portable portable computer device of claim **14** is selected from the group consisting: a personal digital assistant and a cell phone.

Claim 35. (**previously presented**) The shopping list of claim **14** is selected from the group comprising: beauty aids, books, clothing, computer hardware, computer software, computer supplies, drugs, footwear, groceries, gifts, health aids and music.

Claim 36. (**currently amended**) A method for creating a consumer's shopping list prior to entering a store, comprising the steps of:

(a) using a portable barcode scanner; scanner, comprising:

    (i) a processor;

    (ii) a memory that stores product information under the control of said processor;

    (iii) logic that obtains a product barcode;

    (iv) logic that obtains a product coupon barcode;

    (v) logic that indicates that said product barcode or said product coupon barcode has been scanned and stored in said memory;

    (vi) logic that indicates the number of said product barcodes and said product coupon barcodes stored in said memory;

    (vii) logic that indicates said memory is full;

    (viii) logic that creates a query based on said product barcode or said product coupon barcode;

(ix) logic that transmits said product barcode or said product coupon barcode to one or more consumer's first computers over a first network infrastructure;

(x) logic that indicates that said product barcode or said product coupon barcode has been transmitted to one or more consumer's first computers over said first network infrastructure;

(xi) logic that receives said product barcode or said product coupon barcode associated information from one or more consumer's first computers over said first network infrastructure;

(xii) logic that displays said product barcode or said product coupon barcode associated information on a display, received from one or more consumer's first computers over said first network infrastructure;

(xiii) wherein said product barcode associated information relates to at least one of product description, product cost, date and time on which said product barcode was scanned, and a required quantity of said product; and

(xiv) wherein said product coupon barcode associated information relates to at least one of product description, product cost, date and time on which said product coupon barcode was scanned, and a required quantity of said product;

(c) entering (b) entering manually a needed product barcode or a needed product coupon barcode using said portable barcode scanner;

(b) using (c) using one or more said consumer's first computers comprising the sub-steps of; computers, each said first computer comprising;

(i) an associated communications interface channel to receive receiving data from, and to transmit transmitting data to, said portable barcode scanner over said

consumer's first network infrastructure;

(ii) ~~logic that stores~~ storing said data as shopping list information ~~under the~~ under control of said product barcode or said product coupon barcode, in a memory means;

(iii) ~~logic that communicates~~ communicating with a second computer system, over a second network infrastructure to request and to receive ~~said product associated~~ additional shopping list information based on said product barcode or said product coupon barcode;

(iv) ~~logic that keeps to track of the~~ tracking frequency that said product barcode ~~or said product coupon barcode~~ has been received from said portable barcode scanner over said first network infrastructure;

~~(vi) logic that provides~~ (v) providing a specific notification of ~~repetitively~~ repetitive manual entry of ~~scanned~~ said product barcodes ~~or said product coupon barcodes~~ without repetitively needing ~~said continued~~ a continuously manual ~~scanned~~ entry of said product ~~barcodes or said product coupon barcodes~~ barcodes, said continuously manual entry occurring at varying times;

~~(vii) logic that displays~~ (vi) displaying a multiplicity of product barcodes or said product coupon barcodes, together with said ~~product associated~~ additional shopping list information, on ~~a consumer's~~ consumer's first computer display;

~~(viii) logic that indicates~~ (vii) indicating on said first computer display that said consumer has obtained said shopping list information in-hand from said consumer's first computer; and

(ix) logic that automatically adds (viii) adding automatically one or more said repetitively scanned manually entered product barcodes to said shopping list on said determined tracking frequency; and

(ix) indicating on said first computer display that said data transmitted to and said data received from said portable barcode scanner has been successfully sent and received;

(d) transferring said scanned manually entered product barcode or said product coupon barcode to said consumer's first computer, over said first network infrastructure;

(e) storing said transferred product barcode or said product coupon barcode in a shopping list database on said consumer's first computer, said shopping list database includes other product information, wherein said other product information includes: a product description, a product cost, a date and time on which said product barcode or said product coupon barcode was scanned manually entered and an indicator for a required quantity of said product;

(f) obtaining in-hand said stored shopping list from said consumer's first computer in order to go to a first store and purchase products listed on said shopping list, said obtaining in-hand is selected from the group comprising:

    (i)   printing said stored shopping list on a printing device attached to said consumer's first consumer's computer,

    (ii)   transferring said stored shopping list to a consumer's portable computer device, and

    (iii)   using said portable barcode scanner;

(g) sending optionally said shopping list from said consumer's first computer to an optional second store connected to said second network infrastructure, said second store shipping products listed on said shopping list to said consumer, thereby not requiring said

consumer to shop in-store for said products; and

(h) sending <u>optionally</u> said shopping list from said consumer's first computer to an optional second store connected to said second network infrastructure, said second store making said products listed on said shopping list available to said consumer for pick up, thereby not requiring said consumer to shop in-store for said products.

Claim 37. (currently amended) The portable barcode scanner of claim **36**, wherein said first network infrastructure is a ~~wireless link.~~ <u>wireless link between said portable barcode scanner and said consumer's first computer.</u>

Claim 38. (currently amended) The portable barcode scanner of claim **37**, wherein said wireless link is selected from the group comprising: an infrared link and a ~~Bluetooth~~ <u>Bluetooth-enabled</u> radio-frequency link.

Claim 39. (currently amended) The portable barcode scanner of claim **36**, wherein said first network infrastructure is a wired link between said portable barcode scanner and said <u>consumer's</u> first computer.

Claim 40. (previously presented) The portable barcode scanner of claim **39**, wherein said wired link is selected from the group comprising: an RS-232 link, a USB link, a parallel link and an IEEE 1394 link.

Claim 41. (previously presented) The first computer of claim **36** is selected from the group comprising: a personal computer, a personal digital assistant, an internet appliance, and a cell phone.

Claim 42. (previously presented) The first computer of claim **36**, wherein said second network infrastructure is the internet.

Claim 43. (**currently amended**) The ~~said portable~~ <u>portable</u> computer device of claim **36** is selected from the group consisting: a personal digital assistant and a cell phone.

Claim 44. (**previously presented**) The shopping list of claim **36** is selected from the group comprising: beauty aids, books, clothing, computer hardware, computer software, computer supplies, drugs, footwear, groceries, gifts, health aids and music.